10/530961 Rec'd PCI/PTO 11 APR 2005

## INTERNATIONAL SEARCH REPORT

PCT/US03/04259

A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : Do2G 1/16; Do2J 1/08			
US CL: 28/272, 274 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S. : 28/271, 272, 274, 275, 276			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields			
searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category* Citation of document, with indication, where appropriate, of the relevant passages			Palanana a Isiaa N
Category Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.
A, P /	US 6,438,812 B1 (JANSEN) 27 Augus	1-30	
A -	US 6,163,944 A (LIN) 26 December 2	1-30	
	110 5 064 015 4 (0040) 10 0		
A -	US 5,964,015 A (SEAR) 12 October 1	1-30	
A -	US 6,308,537 B1 (LIN) 30 October 20	1-30	
11	Co 0,300,337 B1 (Elity 30 October 20		
A -	US 6,311,376 B1 (HINCHLIFFE et al) 06 November 2001.		1-30
Α ,	US 6,148,490 A (BERTSCH) 21 November 2000.		1-30
}			
Further documents are listed in the continuation of Box C. See patent family annex.			
Special categories of cited documents:  "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand			lication but cited to understand
A document defining the general state of the art which is not considered the principle or theory underlying to be of particular relevance			
consider		considered novel or cannot be conside	
"L" document which may throw doubts on priority claim(a) or which is cited to establish the publication date of another citation or other		when the document is taken alone  Yndocument of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined	
shorter toward (as shortlies)			
means obvious to a person skilled in the art			
"P" document published prior to the international filing date but later "A" document member of the same patent family than the priority date claimed			family
Date of the actual completion of the international search Date of		Date of mailing of the international so	
15 JUNE	2003		.003
Commissioner of Patents and Trademarks		Authorized officer  AMY VANATTA Dian fortunt	
Box PCT Washington, D.C. 20231		AMY VANATTA DIAN Smtu	
_ · · · · · · · · · · · · · · · · · · ·		Telephone No. (703) 508-0861	

## WO 03/069036 A1



— of inventorship (Rule 4.17(iv)) for US only

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.